

Converting Colors

$Y_{xy}(28.4680, 0.5448, 0.4056)$

Have a look what the booklet for
Yxy(28.4680, 0.5448, 0.4056)
contains.

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Color

$\text{Yxy}(28.4683, 0.5447, 0.4057)$

Conversions

Conversions Part 1

Format	Color
Hex	E57100
RGB	229, 113, 0
RGB Percent	90%, 44%, 0%
CMY	0.1019, 0.5569, 1.0000
CMYK	0.00, 0.51, 1.00, 0.10
HSL	30°, 100%, 45%
HSV	30°, 100%, 90%
XYZ	38.2220, 28.4683, 3.4805
YIQ	134.8020, 105.4090, -10.5510

Conversions

Conversions Part 2

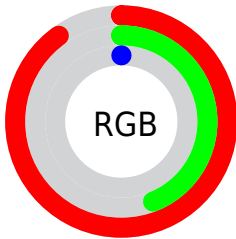
Format	Color
RYB	229, 223, 0
Decimal	15036672
CIELab	60.31, 40.14, 68.10
CIElCh	60, 79.044, 59.483
Yxy	28.4683, 0.5447, 0.4057
Android (android.graphics.Color)	4293226752 (0xFFE57100)
YUV	134.8020, -66.4574, 82.6116
Hunter-Lab	53.3557, 34.4983, 33.4814

Details

The Yxy color **28.4683, 0.5447, 0.4057** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.1555, 0.1772, 0.1577**, and the grayscale version is **24.3740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9498, 0.4786, 0.4190**, and **11.5522, 0.5757, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **28.4688, 0.5447, 0.4057**, and if you desaturate by 10%, it is **31.2877, 0.5245, 0.4128**.

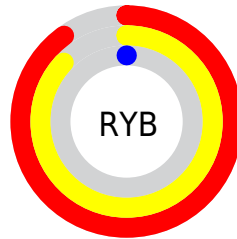
Distribution



Red (90%)

Green (44%)

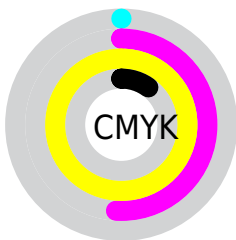
Blue (0%)



Red (90%)

Yellow (87%)

Blue (0%)

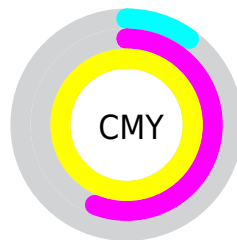


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4683, 0.5447, 0.4057 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.4683, 0.5447, 0.4057 by changing the saturation by 10% instead.


 28.4683, 0.5447,
0.4057


 28.4683, 0.5447,
0.4057


294.6979, 0.4301,
0.3843

 18.6790, 0.5681,
0.4029


 57.2312, 0.5061,
0.4037


 11.4385, 0.5986,
0.3979


 76.9736, 0.4905,
0.4011

 6.3626, 0.6222,
0.3778


 100.8025, 0.4769,
0.3982

 3.0668, 0.6534,
0.3466

 129.1023, 0.4650,
0.3952

 1.1667, 0.7023,
0.2977

 162.2573, 0.4546,
0.3923


 0.0343, 0.9676,
0.0324


 200.6520, 0.4455,


 0.0000, 0.0000,


0.3895

0.0000


 244.6707, 0.4374,
0.3868


 28.4683, 0.5447,
0.4057


 28.4683, 0.5447,
0.4057


 28.4688, 0.5447,
0.4057

 31.2877, 0.5245,
0.4128

 34.5212, 0.5005,
0.4149

 38.2047, 0.4736,
0.4117

 42.3625, 0.4456,
0.4042

 47.0161, 0.4180,
0.3935

■ 52.1852, 0.3922,
0.3810

■ 57.8882, 0.3686,
0.3677

■ 64.1424, 0.3475,
0.3543

■ 70.9640, 0.3289,
0.3413

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.4683, 0.5490, 0.3267



28.4683, 0.5447, 0.4057



28.4683, 0.4722, 0.4936

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.4683, 0.5447, 0.4057



28.4683, 0.1675, 0.4019



28.4683, 0.2152, 0.1619

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.4683, 0.5447, 0.4057



18.1555, 0.1772, 0.1577

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.4683, 0.1473, 0.1560



28.4683, 0.5447, 0.4057



28.4683, 0.1225, 0.2605

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.4683, 0.5447, 0.4057



28.4683, 0.2577, 0.5437



28.4683, 0.1181, 0.1835



28.4683, 0.3283, 0.1964

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.4683, 0.5447, 0.4057



28.4683, 0.4046, 0.5469



28.4683, 0.1181, 0.1835



28.4683, 0.1877, 0.1567

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.4699, 0.5447, 0.4057



73.7310, 0.3690, 0.3679



17.9766, 0.4917, 0.2482



15.1039, 0.3787, 0.3736



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.4699, 0.5447, 0.4057



36.1335, 0.5456, 0.4050



70.6183, 0.4223, 0.5029



15.5365, 0.3280, 0.3406



16.5148, 0.5423, 0.4076



1.4060, 0.5196, 0.4256

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.1555, 0.1772, 0.1577



22.9703, 0.1769, 0.1567



5.7411, 0.1502, 0.0608



15.0881, 0.2981, 0.3171



10.6199, 0.1779, 0.1604



0.9706, 0.1852, 0.1866

Previews

White Background



This preview shows how the Yxy color 28.4683, 0.5447, 0.4057 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 28.4683, 0.5447, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4683, 0.5447, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 28.4683, 0.5447, 0.4057.



This preview shows how white text looks on a background with the Yxy color 28.4683, 0.5447, 0.4057.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.4683, 0.5447, 0.4057

Protanopia

28.6076, 0.4368, 0.4820

Deuteranopia

28.3673, 0.4717, 0.4637



Tritanopia

28.4288, 0.4671, 0.3219

Trichromacy



Original Color

28.4683, 0.5447, 0.4057

Protanomaly

27.7706, 0.4786, 0.4530

Deuteranomaly

27.9799, 0.4997, 0.4415

Tritanomaly

28.1690, 0.5128, 0.3661

Monochromacy



Original Color

28.4683, 0.5447, 0.4057

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2856, 0.4130, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4683, 0.5447, 0.4057 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 113, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4683, 0.5447, 0.4057 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 113, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(229, 113, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4683, 0.5447, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 113, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
113, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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